

Title (en)  
ELECTRONIC DEVICE INCLUDING SHIELDING STRUCTURE

Title (de)  
ELEKTRONISCHE VORRICHTUNG MIT ABSCHIRMUNGSSTRUKTUR

Title (fr)  
DISPOSITIF ÉLECTRONIQUE COMPRENANT UNE STRUCTURE DE BLINDAGE

Publication  
**EP 3280005 B1 20210113 (EN)**

Application  
**EP 17182136 A 20170719**

Priority  
KR 20160099482 A 20160804

Abstract (en)  
[origin: EP3280005A1] An electronic device, of the present disclosure, may include: a housing; an antenna unit disposed inside the housing and including a conductive pattern configured to generate a magnetic field; a plate comprising at least a part of the housing and including a material through which at least a part of the magnetic field generated by the conductive pattern can pass; and a control circuit configured to transmit at least one piece of payment information to an external device using the conductive pattern, wherein the antenna unit including the conductive pattern includes: a first coil having a first plurality of turns that is substantially perpendicular to one surface of the plate; and a second coil having a second plurality of turns that is substantially parallel to the surface of the plate, and a shielding structure comprising a shielding material is disposed inside the first coil or below the second coil.

IPC 8 full level  
**H04B 5/00** (2006.01); **G06K 19/077** (2006.01); **H04B 5/02** (2006.01)

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**G06K 7/10316** (2013.01 - CN); **G06K 7/10336** (2013.01 - CN); **G06K 19/07779** (2013.01 - EP US); **H01Q 1/2208** (2013.01 - CN); **H01Q 1/52** (2013.01 - CN); **H01Q 1/526** (2013.01 - KR US); **H04B 5/263** (2024.01 - EP US); **H04B 5/48** (2024.01 - EP US); **H04B 5/72** (2024.01 - EP US); **H05K 1/115** (2013.01 - KR); **H05K 5/0086** (2013.01 - KR)

Cited by  
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DOCDB simple family (publication)  
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